

**Curriculum Vitae: Charles H. Pickett,  
November 29, 2005**

**Biographical Data**

Address: 1367 Camphor Ln.  
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Phone: home: (530) 758-9020  
work: (916) 262-2053

Email address: cpickett@cdfa.ca.gov

Birth Date: August 8, 1952, Los Angeles, California

Family: Married to Sharon Walters 1980; two children, Charlotte and Benjamin, ages 16 and 19

Degrees: 1985 Ph.D. Entomology, Texas A&M University  
1978 Master of Science Botany, Arizona State University  
1976 Bachelor of Science Biological Sciences, University of California, Irvine.

**Work Experience**

*1990 to present*

Title: Associate Environmental Research Scientist

Job description:

- Rear, release, evaluate and distribute new biological control agents of serious, statewide agricultural pests.
- Write peer reviewed journal articles, reports, research protocols and proposals.
- Coordinate insect biological control projects.
- Conduct research in classical, conservation and augmentative biological control.
- Conduct foreign exploration for new biocontrol agents.
- Fluency in Spanish (conversational Spanish, lectures)

Employer's name and Address: California Department of Food & Agriculture, 3288 Meadowview Rd., Sacramento, CA 95832

Supervisor's name and contact information:

Dr. Michael Pitcairn; (916) 262-2049 (you may contact my supervisor)

Hours per week: 40

Salary: \$5200/month

*1988 to 1990*

Title: Pest Management Specialist

Job description:

- Develop mitigation practices for growers polluting the environment with agrichemicals
- Write peer reviewed journal articles, reports, research protocols and proposals.

Employer's name and Address: California Department of Food & Agriculture, 1220 N St., Sacramento, CA 95814

Supervisor's name and contact information:

Mr. Lynn Hawkins; retired

Hours per week: 40

Salary: \$3100/month

*1985 to 1988*

Title: Post-doctoral Research Scientist

Job description:

- Screen natural enemies for control of variegated leafhopper, pest of grapes
- Research the role of prune trees as refuge for parasitoids of grape leafhopper

- Write peer reviewed journal articles, reports, and proposals.

Employers's name and Address: Univeristy of California, Davis  
Supervisor's name and contact information:

Dr. Ted Wilson, now employed by Texas A&M University

Hours per week: 60

Salary: \$2100/month

**Awards, elected positions (within last 10 years)**

- Editor, Biocontrol Science and Technology, from 2002 to present.
- Chairman, W-185 (Western Region Biological Control Working Group), 2001
- Chairman, Biological Control Section of the Silverleaf Whitefly Five Year National Program, 1997-1998
- Member-at-large, International Organization of Biological Control, 1996 - 1998
- USDA National Research Initiative Panel Member for Biological Control Research grants, 1996

**Papers Published**

- Pickett, C. H., and W. D. Clark. 1978. The function of extra floral nectaries in *Opuntia acanthocarpa* (Cactaceae). Amer. J. Bot. 66: 618-625.
- Parfitt, B. D., and C. H. Pickett. 1980. Insect pollination of prickly pears *Opuntia*, (Cactaceae). Southwest. Nat. 25: 103-108.
- Pickett, C. H., and F. E. Gilstrap. 1984. Phytoseiidae associated with Banks grass mite infestations in Texas. Southwest. Entomol. 9: 125-133.
- Pickett, C. H., and F. E. Gilstrap. 1984. Dynamics in spider mite (Acarina: Tetranychidae) species composition infesting corn. J. Kansas Ent. Soc. 58: 503-508.
- Pickett, C. H., and F. E. Gilstrap. 1986. Dispersion patterns and sampling of spider mites (Acari: Tetranychidae) infesting corn. Environ. Entomol. 15: 335-341.
- Pickett, C. H., and F. E. Gilstrap. 1986. Inoculative releases of Phytoseiidae (Acari) for the biological control of spider mites (Acari: Tetranychidae) infesting corn. Environ. Entomol. 15: 790-794.
- Pickett, C. H., and F. E. Gilstrap. 1986. Natural enemies associated with spider mites (Acari: Tetranychidae) infesting corn in the High Plains of Texas. J. Kansas Entomol. Soc. 86: 527-536.
- Pickett, C. H., and F. E. Gilstrap. 1986. Predation of the Banks grass mite by *Phytoseiulus persimilis* and *Amblyseius californicus* under controlled laboratory conditions. Entomophaga 31(2): 205-212.
- Wilson, L. T., C. H. Pickett, J. R. Carey, and T. F. Leigh. 1987. Infestation foci of spider mites (Acari: Tetranychidae) infesting cotton. Environ. Entomol. 16: 614-617.
- Pickett, C. H., F. E. Gilstrap, R. K. Morrison, and L. F. Bouse. 1987. Release of predatory mites (Acari: Phytoseiidae) by aircraft for the biological control of spider mites (Acari: Tetranychidae) infesting corn. J. Econ. Entomol. 80: 906-910.
- Pickett, C. H., L. T. Wilson, D. Gonzalez and D. L. Flaherty. 1987. Biological control for the variegated leafhopper: a new pest of grapes. California Agriculture 41: 14-16.
- Pickett, C. H., L. T. Wilson, and D. Gonzalez. 1988. Population dynamics and within-plant distribution of western flower thrips, an early season predator of spider mites on cotton. Environ. Entomol. 17: 551-559.
- Gonzalez, D., W. White, C. H. Pickett, V. Cervenka, M. Moratorio, and L. T. Wilson. 1988. Biological control of the variegated leafhopper in grapes. California Agriculture 42: 23-25.
- Pickett, C. H., L. T. Wilson, and D. Gonzalez. 1989. Parasite host preference: an aid in evaluating biotypes of *Anagrus epos* Girault. Entomophaga 34: 551-558.
- Wilson, L. T., C. H. Pickett, and D. L. Flaherty. 1989. French prune trees: a refuge for a grape leafhopper parasite. California Agriculture 43: 7-8.
- Pickett, C. H., F. E. Gilstrap, R. K. Morrison, and L. F. Bouse. 1990. Storage of *Phytoseiulus persimilis* (Acari: Phytoseiidae) for aerial release. International J. Acarology 16(1).

- Pickett, C. H., J. E. Pehrson, L. S. Hawkins, and N. O'Connell. 1991. Irrigation practices, herbicide use and ground water contamination in citrus production: a case study in California. *Agriculture, Ecosystems and Environment* 41: 1-17.
- Pickett, Charles H., Joe C. Ball, Kathleen C. Casanave, Karen Klonsky, Karen Jetter, Larry Bezark, and Steve E. Schoenig. 1996. Establishment of the Ash Whitefly Parasitoid, *Encarsia inaron* (Walker) and Its Economic Benefit to Ornamental Street Trees in California. *Biological Control* 6: 260-272.
- Pickett, C. H., S. E. Schoenig, and M. P. Hoffmann. 1996. Establishment of the Squash Bug Parasitoid, *Trichopoda pennipes* Fabr. (Diptera: Tachnidae), in northern California. *Pan Pacific Entomologist*. Pan-Pacific Entomol. 72: 220-226.
- Jetter, K., K. Klonsky, and C. H. Pickett. 1996. A cost/benefit analysis of the ash whitefly classical biological control program in California. *J. Arboriculture* 23: 65-72.
- Pickett, C. H., K. A. Casanave, S. E. Schoenig, and K. M. Heinz. 1999. Rearing *Delphastus catalinae* (Horn) (Coleoptera: Coccinellidae): practical experience and a modeling analysis. *Can. Entomol.* 131: 115-129
- Pickett, C. H. and M. J. Pitcairn. 1999. Classical Biological control of ash whitefly: factors contributing to its success in California. *BioControl* 44: 143-158.
- Heinz, K. M., J. R. Brazzle, M. P. Parrella, and C. H. Pickett. 2000. Field evaluations of augmentative releases of *Delphastus catalinae* (Horn) Coleoptera: Coccinellidae) for suppression of *Bemisia argentifolii* Bellows & Perring (Homoptera:Aleyrodidae) infesting cotton. *Biological Control* 16: 241-251.
- Hoelmer, K. A. and C. H. Pickett. 2003. Geographic Origin and Taxonomic History of *Delphastus* spp. (Coleoptera: Coccinellidae) in Commercial Culture. *Biocontrol Science and Technology* 13: 529-535.
- Pickett, C. H. and R. Wall. 2003. Ash whitefly *Siphoninus phillyreae* (Haliday) (Homoptera:Aleyrodidae) and *Encarsia inaron* (Walker) (Hymenoptera: Aphelinidae) in northern California: 1990-2000. *Pan Pacific Entomologist*: 79: 156-158.
- Pickett, C. H., G. Simmons, E. Lozano, and J. A. Goolsby. 2004. Augmentative biological control of whiteflies using transplants. *Biocontrol* 49: 665-688.
- Pickett, C. H., William Rohtsch, and A. Corbett. 2004. The Role of Natural Enemy Refuges in the Establishment and Movement of Silverleaf Whitefly Parasitoids. Special Edition, *Inter. J. Pest Management* 50: 183-191.
- Goolsby, J. A., P. J. De Barro, A. A. Kirk, R. Sutherst, L. Canas, M. Ciomperlik, P. Ellsworth, J. Gould, D. Hartley, K. A. Hoelmer, S. J. Naranjo, M. Rose, W. Rohtsch, R. Ruiz, C. Pickett, and D. Vacek. 2004. Post-release evaluation of the biological control of *Bemisia tabaci* biotype "B" in the USA and the development of predictive tools to guide introductions for other countries. *Biological Control* 32: 70-77.
- Sime, K. R., K. M. Daane, H. Nadel, C. S. Funk, R. H. Messing, J. W. Andrews Jr., M. W. Johnson, and C. H. Pickett. 2005. *Diachasmimorpha longicaudata* and *D. kraussii* (Hymenoptera: Braconidae), potential parasitoids of the olive fruit fly. *Biocontrol Science and Technology*, *In Press*.

Sime, K. R., K. M. Daane, J. W. Andrews, Fr., K. Hoelmer, C. H. Pickett, H. Nadel, M. W. Johnson, and R. H. Messing. 2005. The biology of *Bracon celer*, as a parasitoid of the olive fruit fly. *Biocontrol, In Press.*

#### **Book Publications**

- Pickett, C. H., L. T. Wilson, and D. L. Flaherty. 1990. The role of refuges in crop protection, with reference to plantings of French prune trees in a grape agroecosystem. *In N. J. Bostanian, L. T. Wilson, & T. J. Dennehy (Eds.), Monitoring and Integrated Management of Arthropod Pests of Small Fruit Crops.* Intercept Publishing, Great Britain
- Pickett, C. H. and R. L. Bugg (Eds.). 1998. Enhancing Biological Control: Habitat Management to Promote Natural Enemies of Agricultural Pests. University of California Press, Berkeley, California. 422 pp.

Murphy, Brook C., Charles H. Pickett, Jay A. Rosenheim, Robert V. Dowell & Jeffrey Granett. 1998. Measuring the Impact of a Natural Enemy Refuge: The Prune Tree / Vineyard Example *In C. H. Pickett and R. L. Bugg (Eds.), Enhancing Biological Control: Habitat Management to Promote Natural Enemies of Agricultural Pests.* University of California Press, Berkeley, California, 423 pp.

#### **Grants (Last 5 years)**

- Colonization of *Lygus* nymphal parasitoids in the Monterey Bay Region. 2004. California Strawberry Commission.
- Release and Evaluation of parasitoids for the biological control of the olive Fly. 2004. University of California Exotic Plant Pests and Diseases Program.
- Pest Management of Olive Fruit Fly, 2002-2005, USDA APHIS PPQ
- Biological Control of Olive Fruitfly. 2003. Olive Council of California.
- Colonization of *Lygus* parasitoids in central California. 2003. Alfalfa Seed Board.
- Releases of Parasites for the Biological Control of *Lygus hesperus*. 2002-2003. California Cotton Pest Control Board.
- Augmentative Biological Control. 1997 – 2000. California Department of Regulation Pest Management Awards.
- Biological Control of *Lygus*. 1997 to 2000. Cotton Incorporated.
- Releases of Parasites for the Biological Control of Silverleaf Whitefly. 1997 – 2000. California Cotton Pest Control Board.
- Identification and Systematics of *Delphastus*, a Predator of Whiteflies. 2000. USDA-APHIS, NBCI

#### **List of Recent Presentations/Lectures, by Invitation**

- Colonization and evaluation of nymphal parasitoids for control of *Lygus* in California. June, 2004. Pacific Branch ESA meeting, Bozeman, Montana.
- Managing Habitat for Conserving Natural Enemies of Agricultural Pests. May, 2004. University of Sweden, Lund
- Importation of Natural Enemies for Control of the Olive Fly in California. August, 2004. International Congress of Entomology, Brisbane, Australia.
- Establishment of *Peristenus* spp. for the Biological Control of *Lygus* in California. International Symposium on Biological Control of Arthropods. Davos, Switzerland. September 2005
- Biological Control Projects in California. Lecture for IPM course at CSU Chico, October 2005

## References

Dr. Michael Pitcairn (Program Manager)  
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